

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9860
Name: Castle Resources Inc.
Address 1: PO Box 87
Address 2: _____
City: Schoenchen State: KS Zip: 67667 + _____
Contact Person: Jerry Green
Phone: (785) 625-5155
CONTRACTOR: License # 34190
Name: Vision Oil & Gas Services
Wellsite Geologist: Jerry Green
Purchaser: _____

Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover _____
_____ Oil _____ SWD _____ SLOW
_____ Gas _____ ENHR _____ SIGW
_____ CM (Coal Bed Methane) _____ Temp. Abd.
 Dry _____ Other _____
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
_____ Deepening _____ Re-perf. _____ Conv. to Enhr. _____ Conv. to SWD
_____ Plug Back: _____ Plug Back Total Depth
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
8/3/09 8/8/09 10/2009
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 17921234-00-00
Spot Description: _____
NW SE NE SW Sec. 3 Twp. 9 S. R. 28 East West
1850 Feet from North / South Line of Section
2000 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Sheridan
Lease Name: Sealock Well #: 1
Field Name: wildcat
Producing Formation: _____
Elevation: Ground: 2653 Kelly Bushing: _____
Total Depth: 4140 Plug Back Total Depth: 4125
Amount of Surface Pipe Set and Cemented at: 218 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ *Alt 2. Dig - 2/10/10*

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 30,000 ppm Fluid volume: 500 bbls
Dewatering method used: allowed to dry & backfill
Location of fluid disposal if hauled offsite: _____
Operator Name: Petex
Lease Name: Kashka License No.: 8541
Quarter SE Sec. 1 Twp. 10 S. R. 33 East West
County: Thomas Docket No.: 25,989

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: _____
Title: President Date: 1/26/10
Subscribed and sworn to before me this 26th day of January,
2010.
Notary Public: Katherine Bray
Date Commission Expires: 7-3-12

NOTARY PUBLIC
STATE OF KANSAS
Katherine Bray
Notary Public
State Of Kansas
My App. Exp 7-3-12

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received

UIC Distribution

RECEIVED
JAN 28 2010

KCC WICHITA

Operator Name: Castle Resources Inc. Lease Name: Sealock Well #: 1
 Sec. 3 Twp. 9 S. R. 28 East West County: Sheridan

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run: Compensated Neutron Dual Induction Resistivity	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Anhydrite 2286-2318 +375 Howard 3453 -792 Topeka 3543 -882 Heebner 3759 -1098 BKC 4022 -1361 RTD 4148 -1487
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12 1/4"	8 5/8"	23	218	common	160	3%CC, 2% Gel
Production		5 1/2"	14#	4014	common	184	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3804-09	1,500 15% HCL	
4	3870-73	1,000 15% HCL	
4	3922-24	1,000 15% HCL	

TUBING RECORD: Size: <u>none</u> Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>none</u>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf _____ Water Bbls. _____ Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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REMIT TO
RR BOX 90 D
HOXIE KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

378

DATE <i>9/15</i> SEC. <i>3</i>	RANGE/TWP. <i>9/26</i>	CALLED OUT	ON <i>20:00 AM</i>	JOB START	JOB FINISH
LEASE <i>Sealock</i>			WELL # <i>1</i>		
			COUNTY <i>SD</i>	STATE <i>KS</i>	

CONTRACTOR <i>Vision</i>	OWNER <i>Cash</i>				
TYPE OF JOB					
HOLE SIZE <i>7 7/8</i>	T.D. <i>4150</i>	CEMENT	<i>180</i>		
CASING SIZE <i>5 1/2</i>	DEPTH <i>4026</i>	AMOUNT ORDERED			
TUBING SIZE	DEPTH				
DRILL PIPE <i>4 1/2</i>	DEPTH				
TOOL	DEPTH				
PRES. MAX	MINIMUM	COMMON	<i>180</i>	@ <i>14"</i>	<i>2610</i>
DISPLACEMENT <i>98.7</i>	SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG.		GEL	<i>4</i>	@ <i>26"</i>	<i>101</i>
PERFS		CHLORIDE		@	
		ASC		@	
EQUIPMENT				@	
		<i>Solt</i>	<i>5 1/2 800lb</i>	@ <i>8.00/lb</i>	<i>170</i>
PUMP TRUCK		<i>Mud Sweeper</i>	<i>500 gal</i>	@ <i>3.00/gal</i>	<i>1500</i>
# <i>Solt</i>				@	
BULK TRUCK				@	
#				@	
BULK TRUCK				@	
#				@	
#				@	
# <i>Plug Down</i>	<i>6:30 AM</i>	HANDLING	<i>18.1</i>	@ <i>1.2</i>	<i>358.80</i>
		MILEAGE		@ <i>2.75</i>	
		TOTAL			

REMARKS <i>Port Collar 2300</i>	SERVICE <i>Port on Stage</i>		
<i>Plug Hole, Bumped</i>	DEPT OF JOB	@	
<i>to 1000 PSI</i>	PUMP TRUCK CHARGE	@	<i>1855</i>
	EXTRA FOOTAGE	@	
<i>Plug Ret 30 ft</i>	MILEAGE <i>6</i>	@ <i>6.50</i>	<i>39</i>
<i>1/4 lb per ft Add Felt to Cement</i>	MANIFOLD	@	<i>100</i>
		@	
	TOTAL		

CHARGE TO: <i>Cash</i>	
STREET	STATE
CITY	ZIP

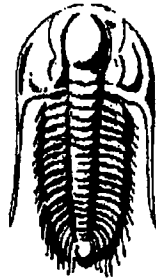
To: Schippers Oil Field Service LLC
You are hereby requested to rent cementing equipment and furnish staff to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT	
<i>5 1/2 Rubber Plug</i>	@ <i>67</i>
<i>5' Port</i>	@ <i>299</i>
<i>5' Weatherford Plug</i>	@ <i>1975</i>
	@
	@
	TOTAL <i>8,349.10</i>
TAX	
TOTAL CHARGE	
DISCOUNT (IF PAID IN 20 DAYS)	

SIGNATURE *Jeff Keris*

PRINTED NAME *Jeff Keris*

RECEIVED
JAN 28 2010
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Castle Resources**

PO BOX 87
Schoenchen KS 67767

ATTN: Jerry Green

3 9S 28W Sheridan KS

Sealock #1

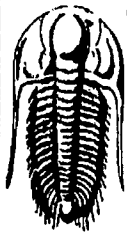
Start Date: 2009.08.08 @ 13:55:00

End Date: 2009.08.08 @ 21:13:00

Job Ticket #: 35821 DST #: 1

RECEIVED
JAN 28 2010
KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Castle Resources
 PO BOX 87
 Schoenchen KS 67767
 ATTN: Jerry Green

Sealock #1
3 9S 28W Sheridan KS
 Job Ticket: 35821 **DST#: 1**
 Test Start: 2009.08.08 @ 13:55:00

GENERAL INFORMATION:

Formation: **LKC-A**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 15:56:30
 Time Test Ended: 21:13:00

Test Type: **Conventional Straddle**
 Tester: **Chuck Kreutzer**
 Unit No: **36**

Interval: **3790.00 ft (KB) To 3830.00 ft (KB) (TVD)**
 Total Depth: **4150.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2658.00 ft (KB)**
2651.00 ft (CF)
 KB to GR/CF: **7.00 ft**

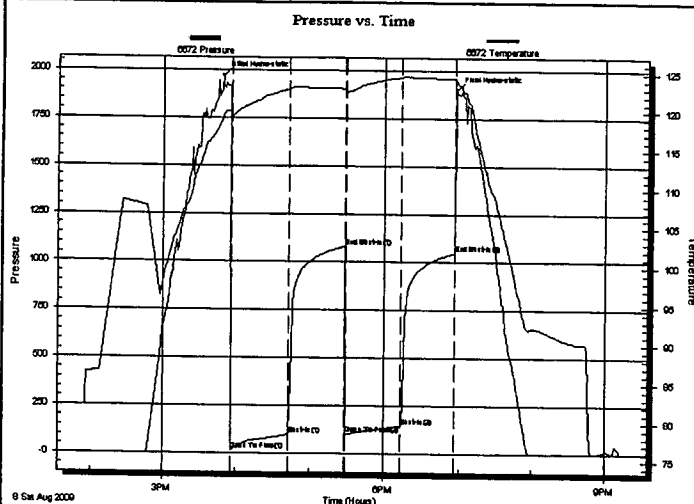
Serial #: 6672

Inside

Press@RunDepth: **144.38 psig @ 3791.00 ft (KB)**
 Start Date: **2009.08.08** End Date: **2009.08.08**
 Start Time: **13:55:05** End Time: **21:12:59**

Capacity: **7000.00 psig**
 Last Calib.: **2009.08.08**
 Time On Btm: **2009.08.08 @ 15:49:00**
 Time Off Btm: **2009.08.08 @ 18:57:30**

TEST COMMENT: IF: Weak surface blow built to 6 3/4 in. over 45 mins.
 IS: No blow back over 45 mins.
 FF: Weak surface blow built to 5 in. over 45 mins.
 FSI: No blow back over 45 mins.



PRESSURE SUMMARY

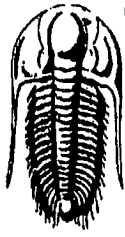
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.19	119.19	Initial Hydro-static
8	16.06	119.08	Open To Flow (1)
54	96.45	122.90	Shut-In(1)
100	1080.69	123.02	End Shut-In(1)
100	102.11	122.51	Open To Flow (2)
144	144.38	124.50	Shut-In(2)
188	1047.39	124.33	End Shut-In(2)
189	1898.71	123.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
121.00	omcw-5%o30%m55%w	0.60
62.00	ocw m-10%o40%w 50%m	0.87
62.00	ocm-10%o90%m	0.87
30.00	go-30%g70%o	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources

Sealock #1

PO BOX 87
Schoenchen KS 67767

3 9S 28W Sheridan KS

Job Ticket: 35821

DST#: 1

ATTN: Jerry Green

Test Start: 2009.08.08 @ 13:55:00

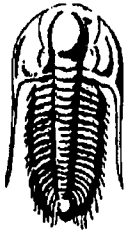
Tool Information

Drill Pipe:	Length: 3663.00 ft	Diameter: 3.80 inches	Volume: 51.38 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	51.98 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3790.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	3830.00 ft			
Interval between Packers:	40.00 ft			
Tool Length:	380.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3775.00	
Hydraulic tool	5.00			3780.00	
Packer	5.00			3785.00	20.00 Bottom Of Top Packer
Packer	5.00			3790.00	
Stubb	1.00			3791.00	
Recorder	0.00	6672	Inside	3791.00	
Perforations	34.00			3825.00	
Blank Off Sub	1.00			3826.00	
Blank Spacing	4.00			3830.00	40.00 Tool Interval
Packer	0.00			3830.00	
Stubb	1.00			3831.00	
Recorder	0.00	6752	Below	3831.00	
Change Over Sub	1.00			3832.00	
Blank Spacing	313.00			4145.00	
Change Over Sub	1.00			4146.00	
Perforations	1.00			4147.00	
Bullnose	3.00			4150.00	320.00 Bottom Packers & Anchor
Total Tool Length:	380.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources
PO BOX 87
Schoenchen KS 67767
ATTN: Jerry Green

Sealock #1
3 9S 28W Sheridan KS
Job Ticket: 35821 **DST#: 1**
Test Start: 2009.08.08 @ 13:55:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 50000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.38 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1500.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

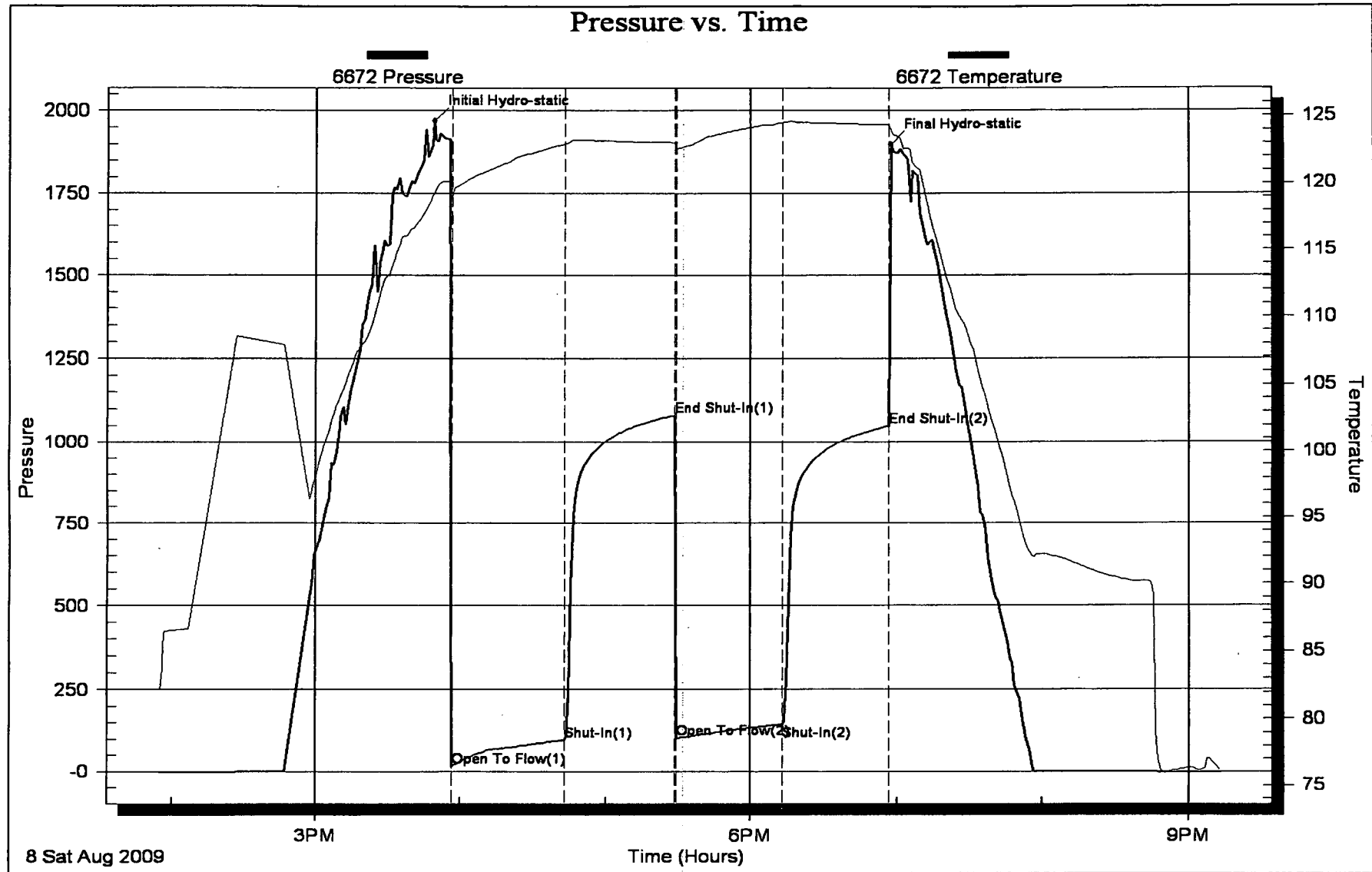
Length ft	Description	Volume bbl
121.00	omcw-5%o30%m55%w	0.595
62.00	ocw m-10%o40%w 50%m	0.870
62.00	ocm-10%o90%m	0.870
30.00	go-30%g70%o	0.421

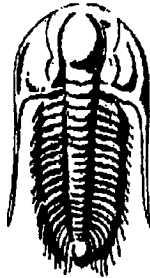
Total Length: 275.00 ft Total Volume: 2.756 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .15@ 72F = 50000 ppm chlorides





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Castle Resources**

PO BOX 87
Schoenchen KS 67767

ATTN: Jerry Green

3 9S 28W Sheridan KS

Sealock #1

Start Date: 2009.08.08 @ 22:00:00

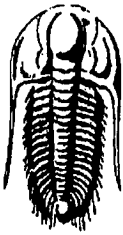
End Date: 2009.08.09 @ 04:58:00

Job Ticket #: 35822 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Castle Resources
PO BOX 87
Schoenchen KS 67767
ATTN: Jerry Green

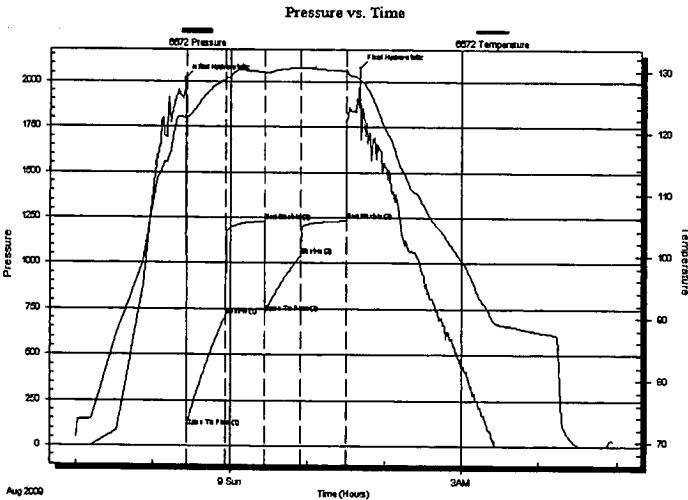
Sealock #1
3 9S 28W Sheridan KS
Job Ticket: 35822 **DST#: 2**
Test Start: 2009.08.08 @ 22:00:00

GENERAL INFORMATION:

Formation: **LKC-H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:26:00
Time Test Ended: 04:58:00
Interval: **3885.00 ft (KB) To 3930.00 ft (KB) (TVD)**
Total Depth: 4150.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Straddle
Tester: Chuck Kreutzer
Unit No: 36
Reference Elevations: 2658.00 ft (KB)
2651.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6672 Inside
Press@RunDepth: 1038.34 psig @ 3886.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2009.08.08 End Date: 2009.08.09 Last Calib.: 2009.08.09
Start Time: 22:00:05 End Time: 04:57:59 Time On Btm: 2009.08.08 @ 23:25:00
Time Off Btm: 2009.08.09 @ 01:40:30

TEST COMMENT: IF: Strong blow B.O.B in 1 min.
ISI: No blow back over 45 mins.
FF: Strong blow B.O.B in 2 mins.
FSI: No blow back over 45 mins.



PRESSURE SUMMARY

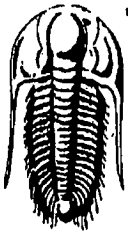
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2017.39	122.51	Initial Hydro-static
1	103.75	121.86	Open To Flow (1)
32	712.11	128.54	Shut-In(1)
62	1231.00	129.78	End Shut-In(1)
62	727.75	129.52	Open To Flow(2)
90	1038.34	130.39	Shut-In(2)
125	1232.90	129.98	End Shut-In(2)
136	2075.68	128.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1921.00	w-100%	25.84
200.00	mcw-40%m60%w	2.81
152.00	w cm10%w 90%m	2.13

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources

Sealock #1

PO BOX 87
Schoenchen KS 67767

3 9S 28W Sheridan KS

Job Ticket: 35822 **DST#: 2**

ATTN: Jerry Green

Test Start: 2009.08.08 @ 22:00:00

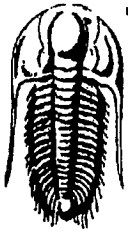
Tool Information

Drill Pipe:	Length: 3758.00 ft	Diameter: 3.80 inches	Volume: 52.71 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 53.31 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3885.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	3930.00 ft			
Interval between Packers:	45.00 ft			
Tool Length:	285.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3870.00	
Hydraulic tool	5.00			3875.00	
Packer	5.00			3880.00	20.00 Bottom Of Top Packer
Packer	5.00			3885.00	
Stubb	1.00			3886.00	
Recorder	0.00	6672	Inside	3886.00	
Change Over Sub	1.00			3887.00	
Blank Spacing	31.00			3918.00	
Change Over Sub	1.00			3919.00	
Perforations	6.00			3925.00	
Blank Off Sub	1.00			3926.00	
Blank Spacing	4.00			3930.00	45.00 Tool Interval
Packer	0.00			3930.00	
Stubb	1.00			3931.00	
Recorder	0.00	6752	Below	3931.00	
Change Over Sub	1.00			3932.00	
Blank Spacing	186.00			4118.00	
Change Over Sub	1.00			4119.00	
Perforations	28.00			4147.00	
Bullnose	3.00			4150.00	220.00 Bottom Packers & Anchor

Total Tool Length: 285.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources
PO BOX 87
Schoenchen KS 67767
ATTN: Jerry Green

Sealock #1
3 9S 28W Sheridan KS
Job Ticket: 35822 DST#: 2
Test Start: 2009.08.08 @ 22:00:00

Mud and Cushion Information

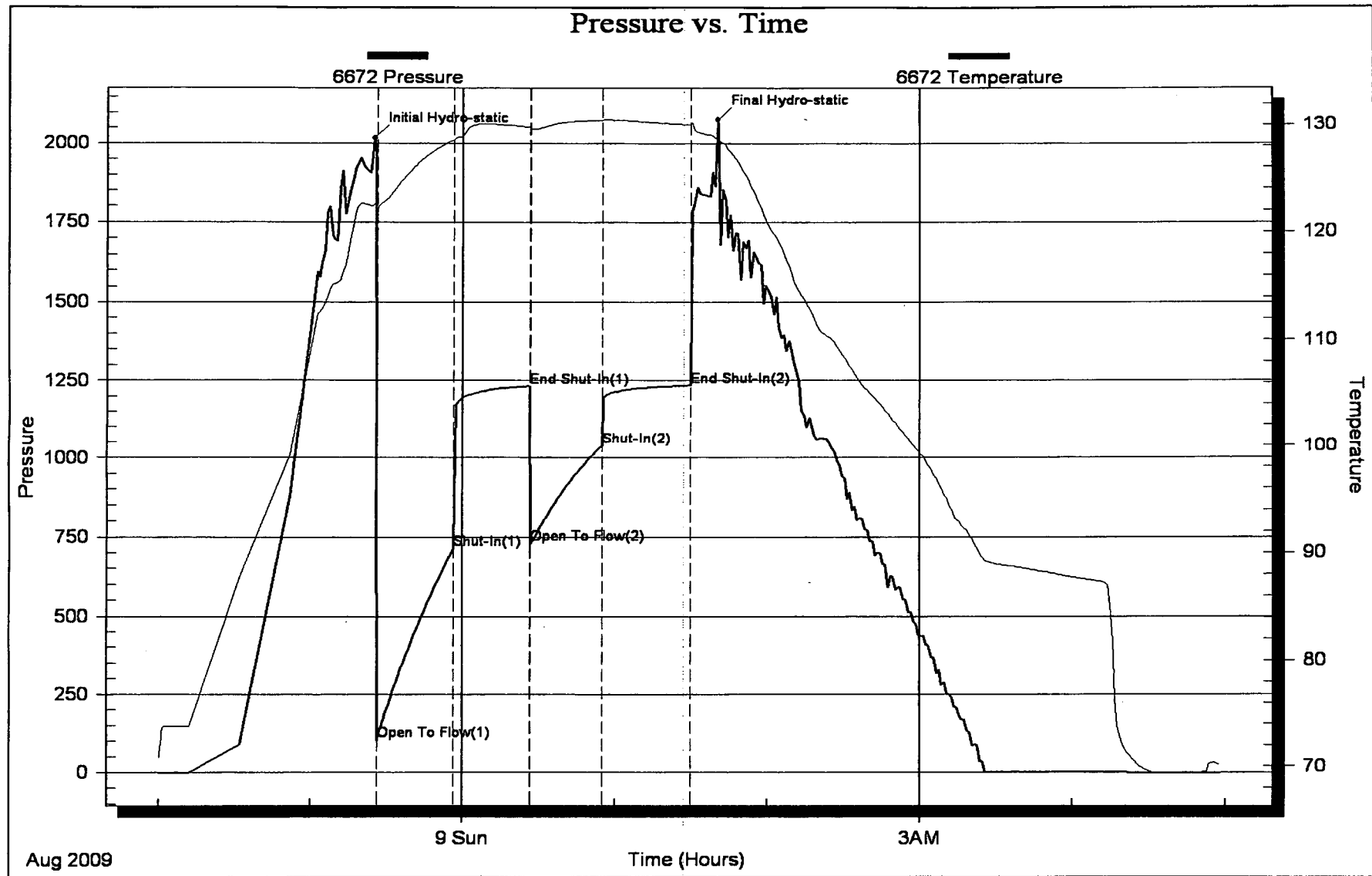
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 50000 ppm	
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1700.00 ppm			
Filter Cake: 2.00 inches			

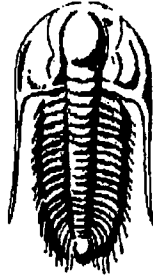
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1921.00	w - 100%	25.844
200.00	mcw - 40% m 60% w	2.805
152.00	w cm 10% w 90% m	2.132

Total Length: 2273.00 ft Total Volume: 30.781 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .14 @ 75F = 50000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Castle Resources**

PO BOX 87
Schoenchen KS 67767

ATTN: Jerry Green

3 9S 28W Sheridan KS

Sealock #1

Start Date: 2009.08.09 @ 11:40:00

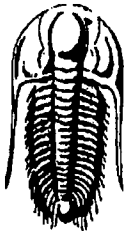
End Date: 2009.08.09 @ 16:55:00

Job Ticket #: 35823 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Castle Resources
PO BOX 87
Schoenchen KS 67767
ATTN: Jerry Green

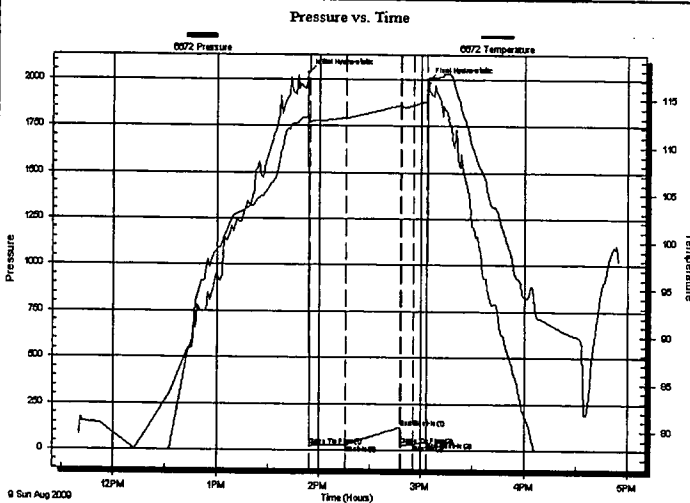
Sealock #1
3 9S 28W Sheridan KS
Job Ticket: 35823 **DST#: 3**
Test Start: 2009.08.09 @ 11:40:00

GENERAL INFORMATION:

Formation: **Mar-sand**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 13:54:30
Time Test Ended: 16:55:00
Interval: **4017.00 ft (KB) To 4150.00 ft (KB) (TVD)**
Total Depth: **4150.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Kreuzer**
Unit No: **36**
Reference Elevations: **2658.00 ft (KB)**
2651.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 6672 **Inside**
Press@RunDepth: **30.22 psig @ 4019.00 ft (KB)**
Start Date: **2009.08.09** End Date: **2009.08.09**
Start Time: **11:40:05** End Time: **16:54:59**
Capacity: **7000.00 psig**
Last Calib.: **2009.08.09**
Time On Btm: **2009.08.09 @ 13:53:30**
Time Off Btm: **2009.08.09 @ 15:04:00**

TEST COMMENT: IF: Weak blow 1/2 in. died in 6 mins.
IS: No blow back.
FF: No blow.
FSI: No blow back.



PRESSURE SUMMARY

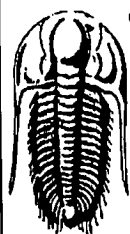
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2031.05	113.29	Initial Hydro-static
1	23.56	112.55	Open To Flow (1)
22	27.88	113.05	Shut-In(1)
55	123.88	114.41	End Shut-In(1)
55	29.20	114.34	Open To Flow (2)
62	30.22	114.37	Shut-In(2)
70	45.83	114.81	End Shut-In(2)
71	1989.32	116.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources
PO BOX 87
Schoenchen KS 67767
ATTN: Jerry Green

Sealock #1
3 9S 28W Sheridan KS
Job Ticket: 35823 **DST#: 3**
Test Start: 2009.08.09 @ 11:40:00

Tool Information

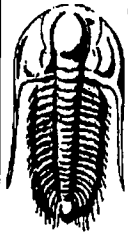
Drill Pipe:	Length: 3882.00 ft	Diameter: 3.80 inches	Volume: 54.45 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 55.05 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4017.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	133.00 ft			
Tool Length:	153.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4002.00	
Hydraulic tool	5.00			4007.00	
Packer	5.00			4012.00	20.00 Bottom Of Top Packer
Packer	5.00			4017.00	
Stubb	1.00			4018.00	
Change Over Sub	1.00			4019.00	
Recorder	0.00	6672	Inside	4019.00	
Recorder	0.00	6752	Inside	4019.00	
Blank Spacing	124.00			4143.00	
Change Over Sub	1.00			4144.00	
Perforations	3.00			4147.00	
Bullnose	3.00			4150.00	133.00 Bottom Packers & Anchor

Total Tool Length: 153.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources
PO BOX 87
Schoenchen KS 67767
ATTN: Jerry Green

Sealock #1
3 9S 28W Sheridan KS
Job Ticket: 35823 **DST#: 3**
Test Start: 2009.08.09 @ 11:40:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.37 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

